## SEQUENCE LISTING

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<110> Ekwuribe, Nnochiri
Radhakrishnan, Balasingam
Price, Christopher
Anderson, Wesley
Ansari, Aslam
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<120> BLOOD BRAIN BARRIER THERAPEUTICS

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<170> PatentIn version 3.0

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<400> 6 Trp Trp Pro Lys His Xaa <210> 7 <211> 4 <212> PRT <213> synthetic construct <220> <221> MOD RES <222> (4)..(4) <223> AMIDATION <220> <221> UNSURE <222> (4)..(4) Xaa is either Lys or Arg <223> <400> 7 Trp Trp Pro Xaa 1 <210> 8 <211> 6 <212> PRT <213> synthetic construct <220> <221> MOD\_RES <222> (6)..(6) <223> AMIDATION <220> <221> UNSURE <222> (6)..(6) <223> Xaa can be any one of the naturally occurring ami

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      Xaa is B2, wherein B2 is Gly, Phe, or Trp
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erein x is 0, 1,
        or 2; and y is 0, 1, or 2, with the proviso that
 x and y is neve
       r greater than
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       The amine between the first Tyr and the second Ty
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r is methylated
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       (3)..(3)
      Xaa is Xaa-z, wherein Xaa is Phe, (D) Phe, or NHBz
l, and wherein z
        is 0 or
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       His is His-z, wherein z is 0 or 1
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g amino acid and
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sine
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       Xaa is Tic, i.e. 1,2,3,4-tetrahydroisoquinoline-3
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         Xaa is Tic-psi-[CH2-], i.e. 3-methyl-1,2,3,4-tetr
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       Tyr is Dmt, i.e. 2,6-dimethyltyrosine
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       MOD RES
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       (2)..(3)
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       nonpeptidyl bond
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       MOD RES
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       (2)..(2)
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       Xaa is Tic-psi-[CH2-], i.e. 3-methyl-1,2,3,4-tetr
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       n
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        n
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<221>
       MOD RES
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       (3)..(3)
       Phe is -NCH3] Phe, i.e. N-methylphenylalanine
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Tyr Xaa Phe Phe
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      Xaa is Tic-psi-[CH2-], i.e. 3-methyl-1,2,3,4-tetr
<223>
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ahydroisoquinoli
         n
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        MOD RES
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       (3)..(3)
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       Phe is -NH]Hfe, i.e. homophenylalanine
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 Tyr Xaa Phe Phe
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        4
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        synthetic construct
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        MOD RES
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       (1)..(1)
       Tyr is Tyr(NMe), i.e. N-methyltyrosine
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<221>
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       Xaa is Tic-psi-[CH2-], i.e. 3-methyl-1,2,3,4-tetr
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ahydroisoquinoli
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       MOD RES
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       Gly is Phg, i.e. phenylglycine
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       4
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       MOD RES
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Tyr Xaa His Phe
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-carboxylic acid
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        MOD RES
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 -carboxylic acid
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       MOD RES
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       Xaa is Atc, i.e. 2-aminotetralin-2-carboxylic aci
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d
<400>
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Xaa is Tic, i.e. 1,2,3,4-tetrahydroisoquinoline-3
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       MOD RES
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 Tyr Xaa Phe
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       synthetic construct
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       Xaa is Tic-psi-[CH2-], i.e. 3-methyl-1,2,3,4-tetr
ahydroisoquinoli
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       NH2 of Tyr is blocked by butyloxycarbonyl group
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Tyr Gly Gly Phe Leu Lys
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